

NRC FORM 7
(8-2007)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: 06/30/2009

**APPLICATION FOR NRC EXPORT/IMPORT
LICENSE, AMENDMENT, OR RENEWAL**

(See Instructions on Page 5)

Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

PART A. FOR NRC USE ONLY		<input type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	DATE RECEIVED MAR 24 2010
LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	

PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

1. NAME AND ADDRESS OF APPLICANT/LICENSEE EnergySolutions 1560 Bear Creek Rd Oak Ridge, TN 37831	1a. NAME OF APPLICANT'S CONTACT Philip Gianutsos	1b. APPLICANT'S REFERENCE NUMBER ---N/A---
	1c. PHONE NUMBER 865 220-1478	1d. FAX NUMBER 865 220-1668
	1e. E-MAIL ADDRESS pgianutsos@energysolutions.com	

2. TYPE OF NRC LICENSE REQUESTED (Check One)

EXPORT (Parts B, C, E) NOTIFICATION OF EXPORT OF INCIDENTAL RADIOACTIVE MATERIAL (PART C,E) IMPORT (Parts B, D, E) COMBINED EXPORT/IMPORT (Parts B, C, D, E) AMENDMENT/RENEWAL Existing License Number:

3. CONTRACT NUMBER(S) ---N/A---	4. FIRST SHIPMENT DATE 03/22/2010	5. LAST SHIPMENT DATE ---N/A---	6. PROPOSED EXPIRATION DATE ---N/A---
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PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT EnergySolutions 1560 Bear Creek Rd Oak Ridge, TN 37831	8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) ---NONE---	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) AREVA SOMANU Z.A.C. de Grévaux les Guides 59600 MAUBEUGE France Contact: Brigitte Bertrand Ph: +33 (0) 3 27 53 80 40
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7a. LIST FUNCTIONS PERFORMED/SERVICE PROVIDED Return of empty container shipped to EnergySolutions under the conditions of Import License IW018	8a. INTERMEDIATE USE(S) ---NONE---	9a. ULTIMATE END USE(S) The empty container is being returned to AREVA SOMANU, the container owner.
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10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT SEE PAGE 3	10a. MAX TOTAL VOLUME/ ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) Total for all containers: Approx 2.3E-4 TBq (6.22E-3 Ci) of byproduct material. No Source Material No SNM	10b. MAX ENRICHMENT OR WGT % No enriched U	10c. MAX ISOTOPE WGT (KG) No SNM
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11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

-----NONE-----

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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

For blocks 10, 10a-10c:

A Type A EDF Container, UTO 16 with residual activity. The empty container weighs approximately 12,800 lbs (5,800 kg). The container will be transported in a 20' cargo container properly communicated in accordance with USDOT and IMDG. Incidental residual radioactive material remains from the sluicing of the resin from the vessel. The contamination is byproduct material, consisting of C-14, Co-58, Co-60, Fe-55, Mn-54, Ni-59, and Ni-63 in the form of solid metal oxides. See below for quantities of Appendix L materials. A single Appendix P radionuclide is present at an activity << 0.1% of the Category 2 limit (calculation is also presented below).

Radiological Content

Nuclide	MBq	mCi
C-14	2.45E+00	6.62E-02
Co-58	5.57E-06	1.51E-07
Co-60	8.86E+01	2.40E+00
Fe-55	2.04E+01	5.51E-01
Mn-54	1.42E-02	3.83E-04
Ni-59	1.19E+00	3.20E-02
Ni-63	1.17E+02	3.17E+00
Total	2.30E+02	6.22E+00

APPENDIX P EVALUATION

Nuclide	MBq	App P, Cat 2 limit MBq	Fraction of Limit
Co-60	8.86E+01	3.00E+05	2.95E-04

MAR 24 2010

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PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)				
12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT -----N/A-----	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S) -----N/A-----	14. NAME(S) / ADDRESS(ES) OF ULTIMATE CONSIGNEE(S) -----N/A-----		
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable) -----N/A-----	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S) -----N/A-----	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S) -----N/A-----		
	13b. INTERMEDIATE USE(S) -----N/A-----	14b. INTERMEDIATE USE(S) -----N/A-----		
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES -----N/A-----	15a. MAX TOTAL VOLUME/ ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) -----N/A-----	15b. MAX ENRICHMENT OR WGT % -----N/A-----	15c. MAX ISOTOPE WGT (KG) -----N/A-----	
16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)				
PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS				
17. ADDITIONAL INFORMATION PROVIDED ON PAGE 3 AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
18. CERTIFICATION: I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.				
18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL Philip Gianutsos, CHP Radiation Safety Officer	18b. SIGNATURE - AUTHORIZED OFFICIAL 		18c. DATE 03/22/2010	

Tanker Estimated Radionuclide Information

Radiological Content Tanker		
Activity Nuclide	MBq	mCi
CO-60	2.572E-08	6.950E-10
CS-137	7.030E-09	1.900E-10
H-3	4.403E+02	1.190E+01
Ni-63	5.809E-11	1.570E-12
Sb-124	7.030E-09	1.900E-10
Total	4.403E+02	1.190E+01
	TBq	Ci
Single Tanker	4.403E-04	1.190E-02
15 Tankers	6.605E-03	1.785E-01

APPENDIX P EVALUATION			
nuclide	Tanker	App P, Cat 2 limit MBq	(fraction of limit)
CO-60	2.572E-08	3.000E+05	8.572E-14
CS-137	7.030E-09	1.000E+06	7.030E-15
1 Tanker Sum of Fractions			9.275E-14

MAR 24 2010